

REMARKS

By this amendment, claim 1 has been amended. Claims 2-14 have been cancelled. Claim 1 remains in the application. This application has been carefully considered in connection with the Examiner's Action. Reconsideration and allowance of the application, as amended, are respectfully requested.

In the specification of the above-identified application, at least on page 2, lines 4-13; and on page 8, lines 20-32, the applicant provides a discussion of a device including a transmissive LCD display panel and back-lighting means. The present claimed invention is distinguished over such devices including transmissive LCD display panels, as discussed in the specification and as claimed, and further as discussed herein. Claim 1 has been further amended herein to more clearly point out and distinctly claim that which the applicant believes patentable over the cited art. Support for the amendment to claim 1 can be found in the specification on page 6, lines 26-30; page 8, lines 33-34; and page 9, lines 1-5.

Advantages provided by the present claimed invention are discussed in the specification at least on page 3, lines 1-6; page 7, lines 31-33; and page 8, lines 1-2.

Rejection under 35 U.S.C. § 103

Claim 1

Claim 1 recites an image-sensing display device comprising: an image display part including a reflective LCD display panel and a front-lighting means, the reflective LCD display panel including a surface area of a liquid crystalline layer, wherein substantially the whole surface area of the liquid crystalline layer is occupied by effective areas of pixels, the front-lighting means for illuminating the reflective LCD display panel during a display mode of the image-sensing display device, the front-lighting means including a transparent light guiding plate, the light guiding plate having

a lower main flat surface, an upper main flat surface that is substantially parallel to the lower main flat surface, and side surfaces, the front-lighting means further including at least one light source arranged opposite an entrance face corresponding to at least one of the side surfaces, and a side face opposite the entrance face that is made reflective, the light guiding plate further having scattering elements, wherein light rays from the at least one source enter the light guiding plate via the at least one of the side surfaces and are totally internally reflected until reaching a scattering element, the scattering element reflecting light incident thereon in different directions, wherein a portion of the reflected light passes through the lower main flat surface and propagates to the reflective LCD display panel and wherein a remaining portion of the reflected light propagates through the light guiding plate, wherein further substantially all the light that enters the light guiding plate via the at least one of the side surfaces is coupled out of the light guiding plate and directed towards the reflective LCD display panel, further wherein the reflective LCD display modulates substantially all of the light incident on the reflective LCD display panel for display of an image; an image-sensing part arranged on top of the reflective LCD display panel of the image display part, the image-sensing part for capturing at least one image during a camera mode of the image-sensing display device, the image-sensing part including a two-dimensional array of photosensitive elements, wherein the front-lighting means of the image display part is arranged in front of the array of photosensitive elements on top of the reflective LCD display panel; and a lens means mounted to a front of the image display part, wherein the image-sensing display device successively comprises from its base, the reflective LCD display panel, the image-sensing part, the front-lighting means and the lens means juxtaposed in a Z-direction and integrated in one module.

Claims 1-13 were rejected under 35 U.S.C. § 103 as being unpatentable over Rostoker (U.S. Patent No. 5,977,535) in view Umemoto (U.S. Patent No. 6,196,692 B1). With respect to claims 2-13, the same have been cancelled herein, thus rendering

the rejection thereof moot. With respect to claim 1, applicant traverses this rejection for the following reasons as follows.

When evaluating a claim for determining obviousness, all limitations of the claim must be evaluated. However, neither Rostoker nor Umemoto teaches or suggests an image-sensing display device with all limitations as is now claimed. Accordingly, the rejection under 35 U.S.C. §103 should be withdrawn.

Accordingly, claim 1 recites an image-sensing display device that is clearly patentably distinct over the art of record. Moreover, claim 1 recites an image-sensing display that is not an obvious general modification of a transmissive display device, with or without an image-sensing part, to be reflective and front-lighted.

Claim 14 was rejected under 35 U.S.C. § 103 as being unpatentable over Rostoker in view Umemoto as applied to claims 1-13 above, and further in view of Konuma et al (Konuma) U.S. Patent No. 6,628,263 B1. Claim 14 has been cancelled herein, thus rendering the rejection thereof moot.

Conclusion

It is clear from all of the foregoing that independent claim 1 is in condition for allowance. The amendments herein are fully supported by the original specification and drawings; therefore, no new matter is introduced. An early formal notice of allowance of claim 1 is requested.

Respectfully submitted,

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